

Title (en)
PROCESS AND APPARATUS FOR HANDLING DOWNLINK TRANSMISSION DURING NETWORK SWITCHING

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HANDHABUNG EINER ABWÄRTSVERBINDUNGSÜBERTRAGUNG WÄHREND DES NETZWERKUMSCHALTENS

Title (fr)
PROCÉDÉ ET APPAREIL POUR TRAITER LA TRANSMISSION EN LIAISON DESCENDANTE PENDANT UNE COMMUTATION DE RÉSEAU

Publication
EP 2512184 B1 20170719 (EN)

Application
EP 11368012 A 20110413

Priority
EP 11368012 A 20110413

Abstract (en)
[origin: EP2512184A1] A process for handling downlink transmission to a User Equipment (10) from a Service Provider (3), said UE (10) being adapted to be associated with at least two Subscriber Identities(SIM) respectively associated with a first and a second communication Network (1, 2), said process involving the steps of: - establishing (21) a first connection between said UE (10) and said first communication network (1); and - requesting (22) a second connection between said UE (10) and said second communication network (2) by issuing a specific command associated with a specific value or parameter representative of a request of switching between said first and second communication network the downlink transmission from said Service provider (3) ; - issuing (23) from said second communication network a specific request to said Service Provider (3) for establishing a new connection between said second communication network and the Service Provider and informing the service provider that a switching of network is requested by the UE ; - transmitting (24) an acknowledgment from said Service Provider (3) to said second communication network (2) confirming the establishment of the connection between the second communication network and the SP (3) without starting data transfer through said second communication network (2); - transmitting (25) from the second communication network to the User Equipment (10) an acknowledgment related to said second communication network (2) and said Service Provider (3); - issuing (26) by said UE a request to said SP (3) to data communication, e.g. through said first communication network and the request being associated with a sequence number of a first packet to be communicated through said second communication network (2); - performing (27) data storage for said SP and said UE; - transmitting (28, 29) downlink data communication through said second communication network; - transmitting NACK/ACK messages (30, 31) to said SP through said second communication network; - transmitting (32) to said first communication network a request to release the connection issued by the Service Provider; - transmitting (33) a connection release between the UE and the first communication network.

IPC 8 full level
H04W 36/14 (2009.01); **H04W 60/00** (2009.01)

CPC (source: EP US)
H04W 36/14 (2013.01 - EP US); **H04W 60/005** (2013.01 - EP US); **H04W 36/0235** (2023.05 - EP US)

Cited by
CN110546976A; CN107315625A; CN105027623A; CN107926077A; US10405171B2; WO2017052906A1; WO2014151583A1; US12096518B2

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